

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. **(Currently Amended)** A thermo-expansive microcapsule comprising: a polymeric shell produced by polymerizing monomer components containing 15 to 75 weight % of a nitrile monomer, 10 to 65 weight % of a monomer having a carboxyl group, 0.1 to 20 weight % of a monomer having an amide group and 0.1 to 20 weight % of a monomer having a cyclic structure in its side chain; and a blowing agent encapsulated in the polymeric shell,  
wherein the monomer having an amide group is at least one selected from the group consisting of acryl amide, methacrylamide, N,N-dimethylacrylamide, and N,N-dimethylmethacrylamide.
2. **(Original)** The thermo-expansive microcapsule of Claim 1, wherein the polymeric shell is produced by polymerizing the monomer components further containing 3 weight % or less of a monomer having at least two polymerizable double bonds (a cross-linking agent).
3. **(Previously Presented)** The thermo-expansive microcapsule of Claim 1, wherein the polymeric shell has a glass transition point (Tg) of 120 °C or higher.
4. **(Previously Presented)** The thermo-expansive microcapsule of Claim 1, wherein the polymeric shell contains 1 to 25 weight % of inorganic compounds.
5. **(Previously Presented)** The thermo-expansive microcapsule of Claim 1, which has a maximum expanding temperature of 200 °C or higher.
6. **(Previously Presented)** A production process of a foamed and molded product which comprises adding the thermo-expansive microcapsule of Claim 1 in rubber or resin to form a mixture and heating the mixture to expand the thermo-expansive microcapsule to introduce discrete air bubbles in the product.

7. **(Previously Presented)** A foamed and molded product containing the thermo-expansive microcapsule of Claim 1.

8. **(New)** The thermo-expansive microcapsule according to claim 1, wherein the monomer having a cyclic structure in its side chain is at least one selected from the group consisting of styrene,  $\alpha$ -methyl styrene, chlorostyrene, isobornyl(meth)acrylate, cyclohexyl methacrylate, phenyl maleimide, and cyclohexyl maleimide.

9. **(New)** The thermo-expansive microcapsule according to claim 1, wherein the nitrile monomer is at least one selected from the group consisting of acrylonitrile and methacrylonitrile.

10. **(New)** A thermo-expansive microcapsule comprising: a polymeric shell produced by polymerizing monomer components consisting essential of 15 to 75 weight % of a nitrile monomer, 10 to 65 weight % of a monomer having a carboxyl group, 0.1 to 20 weight % of a monomer having an amide group and 0.1 to 20 weight % of a monomer having a cyclic structure in its side chain; and a blowing agent encapsulated in the polymeric shell,

wherein the monomer having an amide group is at least one selected from the group consisting of acryl amide, methacrylamide, N,N-dimethylacrylamide, and N,N-dimethylmethacrylamide.